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**Katten**

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USPTO	USPTO - Mail Stop Amendment	571-273-8300	
<b>Date</b>	<b>Client/Matter Number</b>		
November 17, 2006	211843-00044		
<b>From</b>	<b>Attorney Number</b>		
John S. Paniaguas	32347		
<b>Phone</b>	<b>Fax</b>		
312.902.5312	312.577.4532		
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Comments **Serial No. 10/582,392; Filing Date: June 9, 2006**

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PTO/SB/21 (09-06)

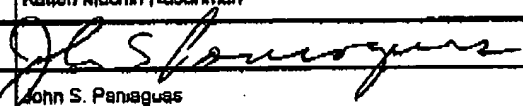
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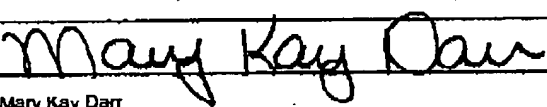
<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/582,392
	Filing Date	June 9, 2006
	First Named Inventor	Morsky
	Art Unit	Not Yet Assigned
	Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	Attorney Docket Number	221843-00044

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Katten Muchin Rosenman		
Signature			
Printed name	John S. Panagias		
Date	November 17, 2006	Reg. No.	31,051

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Typed or printed name	Mary Kay Parr	Date	November 17, 2006

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P.03/19 F-752

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<b>Effective on 12/08/2004</b> Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818): <h2 style="margin: 0;">FEE TRANSMITTAL</h2> <h3 style="margin: 0;">For FY 2006</h3>		<b>Complete if Known</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number	10/582,392
		Filing Date	June 9, 2006
		First Named Inventor	Horsky
		Examiner Name	Not Yet Assigned
		Art Unit	Not Yet Assigned
<b>TOTAL AMOUNT OF PAYMENT</b> (\$)		0	
		Attorney Docket No.	211843-00044

**METHOD OF PAYMENT** (check all that apply)

☐ Check  
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**FEE CALCULATION**

**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

**Total Claims**    **Extra Claims**    **Fee (\$)**    **Fee Paid (\$)**  
 HP = highest number of total claims paid for, if greater than 20

**Indep. Claims**    **Extra Claims**    **Fee (\$)**    **Fee Paid (\$)**  
 HP = highest number of independent claims paid for, if greater than 3

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x		

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge):

**Fees Paid (\$)**

<b>SUBMITTED BY</b>		
Signature	Registration No.	Telephone
	31,051	312-902-5200
Name (Print/Type)	Date	
John S. Panagias	November 17, 2006	

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**PATENT**  
**211843/00044**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Horsky et al. )  
 )  
Application No.: 10/582,392 ) Group Art Unit: Not yet Assigned  
 )  
Filed: June 9, 2006 ) Examiner: Not Yet Assigned  
 )  
Title: Method and Apparatus for )  
Extending Equipment Uptime )  
in Ion Implantation )

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUBSTITUTE SECOND PRELIMINARY AMENDMENT**

Sir:

Prior to examining the instant application on the merits, please enter the following amendments:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper; and

Remarks/Arguments begin on page 16 of this paper.